

Amendments to the Specification:

Please replace the paragraph beginning on page 1, line 11, with the following rewritten paragraph:

--The present invention relates to commonly assigned copending U.S. Appln. No. ~~XX,YYY,ZZZ~~ 10/075,519, filed ~~Moneth Day, Year~~ February 13, 2002, entitled "Methods and Systems for Providing a Distributed Database Store with Correlation Service.--

Please replace the paragraph beginning on page 2, line 15, with the following rewritten paragraph:

--Although users may access data and share data indirectly among various applications, the organization and harnessing of the data among the various applications would allow users to maximize the benefit from digitally recording activities. In particular, data that has an associated time reference could be cross-referenced to provide valuable information correlating a user's history or activity in time. No current technology provides storage and indexing for items making up a digitally recorded history consisting of various types of media and data. No current technology is capable of making complex associations between data, especially non-textual data such as audio and video. U.S. Appln. No. ~~XX,YYY,ZZ~~ 10/075,519, filed ~~Monthe Day, Year~~ February 13, 2002, entitled "Methods and Systems for Providing a Distributed Database Store with Correlation Service" (the '~~ZZZ~~ '519 application) teaches a novel way to integrate historical data stored in a distributed manner. However, presently, there is no intelligent means for leveraging such a distributed database store of which the systems of the '~~ZZZ~~ '519 application are examples, from a computing device. Further, there is no current technology that is capable of making complex associations between data based on time, history, and items interacted with according to a common theme, such as by the same user. There is also no current technology that provides unique representation of user interface elements representing items of a digital history based on unique identification.--

Please replace the paragraph beginning on page 6, line 21, with the following rewritten paragraph:

--Fig. 1A provides a schematic diagram of an exemplary networked or distributed computing environment. The distributed computing environment comprises computing objects 10a, 10b, etc. and computing objects or devices 110a, 110b, 110c, etc. These objects may comprise programs, methods, data stores, programmable logic, etc. The objects may comprise portions of the same or different devices such as PDAs, televisions, MP3 players, televisions, personal computers, etc. Each object can communicate with another object by way of the communications network 14. This network may itself comprise other computing objects and computing devices that provide services to the system of Fig. 1A. In accordance with an aspect of the invention, each object [[10]] 10a, 10b, etc. or [[110]] 110a, 110b, 110c, etc. may contain an application that might have a user interface to a digital history store or an application that generates digital history data.--

Please replace the paragraph beginning on page 7, line 21, with the following rewritten paragraph:

-- It can also be appreciated that an object, such as 110c, may be hosted on another computing device [[10]] 10a, 10b, etc. or [[110]] 110a, 110b, etc. Although the physical environment depicted may show the connected devices as computers, such illustration is merely exemplary and the physical environment may alternatively be depicted or described comprising various digital devices such as PDAs, televisions, MP3 players, etc., software objects such as interfaces, COM objects and the like.--

Please replace the paragraph beginning on page 10, line 4, with the following rewritten paragraph:

--In a network environment in which the communications network/bus 14 is the Internet, for example, the servers [[10]] 10a, 10b, etc. can be Web servers with which the clients 110a, 110b, 110c, 110d, 110e, etc. communicate via any of a number of known protocols such as

HTTP. Servers [[10]] 10a, 10b, etc. may also serve as clients [[110]] 110a, 110b, 110c, etc., as may be characteristic of a distributed computing environment. Communications may be wired or wireless, where appropriate. Client devices [[110]] 110a, 110b, 110c, etc. may or may not communicate via communications network/bus 14, and may have independent communications associated therewith. For example, in the case of a TV or VCR, there may or may not be a networked aspect to the control thereof. Each client computer [[110]] 110a, 110b, 110c, etc. and server computer [[10]] 10a, 10b, etc. may be equipped with various application program modules or objects [[135]] 135a, 135b, 135c, 135d, 135e and with connections or access to various types of storage elements or objects, across which files may be stored or to which portion(s) of files may be downloaded or migrated. Any computer 10a, 10b, 110a, 110b, etc. may be responsible for the maintenance and updating of a database 20 or other storage element in accordance with the present invention, such as a database or memory 20 for storing digital history data. Thus, the present invention can be utilized in a computer network environment having client computers 110a, 110b, etc. that can access and interact with a computer network/bus 14 and server computers 10a, 10b, etc. that may interact with client computers 110a, 110b, etc. and other devices 111 and databases 20.--

Please replace the paragraph beginning on page 18, line 26, with the following rewritten paragraph:

--Fig. 6 illustrates an exemplary screenshot of the invention where the user has scrolled back three months with UI element 230b prior to the time period shown by Figs. 3 through 5. It is noted that while the scope of path navigation 210a has not changed, the items in the navigation region 210 and on the timeline 230 are different than in Fig. 5. It is noted that the congas icon is darker on the navigation ring because it was used more recently in relationship to the timeline, the maracas icon has dropped off entirely because the first time they were used was after the current point in the timeline being displayed, and the trumpet icon which previously was not displayed is now present because of its relevancy to the timeline 230 at the new time period of interest.--

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A method for displaying elements from a user's digital history store on a timeline, comprising:
 - selecting a time period of interest on the timeline; and
 - displaying from the user's digital history store on the timeline elements associated with events, people, places and things relating to the time period of interest, wherein each event, person, place and thing has a unique icon associated therewith.
2. (original) A method according to claim 1, further including:
 - displaying in a navigation region a root navigation region displaying icons for events, people, places and things; and
 - in response to selecting one of the events, people, places and things icons in the root navigation region, displaying a cluster of one of events, people, places and things corresponding to the selection and relating to the time period of interest.
3. (original) A method according to claim 2, wherein said displaying includes placing emphasis on elements of the cluster based upon at least one of (1) recency of activity associated therewith, (2) frequency of activity associated therewith and (3) user preferences.
4. (original) A method according to claim 3, wherein said placing emphasis includes at least one of changing the size of the icon, changing a contrast associated with the icon and positioning the icon according to a direction of emphasis.
5. (original) A method according to claim 2, further including:
 - in response to selecting one of the elements of the cluster, displaying a sub-cluster of elements of which the cluster is comprised, wherein the sub-cluster of elements relate to the time period of interest.

6. (original) A method according to claim 2, wherein selecting in the navigating region includes displaying in a path display portion a currently navigated path by the user from root region to individual elements, including intervening selected clusters.
7. (original) A method according to claim 2, further including:
dragging an element from the navigation region to a filter region; and
in response to the dragging, filtering the elements displayed in the timeline according to the dragged element.
8. (original) A method according to claim 2, further including:
inputting text to a query input portion; and
in response to the inputting, filtering the elements displayed in the timeline according to the elements mapped to the text.
9. (original) A method according to claim 1, further including:
inputting user preference information for pre-specified aspects of said displaying.
10. (original) A method according to claim 1, further including:
in response to a user selection, displaying additional information about the displayed icons.
11. (original) A method according to claim 1, wherein the time period of interest is selected from one of a range of at least one hour, a range of at least one day, a range of at least one week, a range of at least one month and a range of at least one year.
12. (original) A method according to claim 1, wherein said selecting a time period of interest includes scoping to a time period of interest with a scoping mechanism.
13. (original) A method according to claim 12, wherein the scoping mechanism is a scroll bar.

14. (original) A computer readable medium having stored thereon a plurality of computer-executable instructions for performing the method of claim 1.
15. (original) A modulated data signal carrying computer executable instructions for performing the method of claim 1.
16. (original) A computing device comprising means for performing the method of claim 1.
17. (original) A computer readable medium having stored thereon a plurality of computer-executable modules for displaying elements from a user's digital history store on a timeline, the computer executable modules comprising:
 - a selecting mechanism for selecting a time period of interest on the timeline; and
 - a display mechanism that displays events, people, places and things relating to the time period of interest from the user's digital history store on the timeline.
18. (original) A computer readable medium according to claim 17, wherein said display mechanism further displays in a navigation region a root navigation region displaying icons for events, people, places and things; and
 - in response to selecting one of the events, people, places and things icons in the root navigation region, said display mechanism displays a cluster of one of events, people, places and things corresponding to the selection and relating to the time period of interest.
19. (original) A computer readable medium according to claim 18, wherein said display mechanism places emphasis on elements of the cluster based upon at least one of (1) recency of activity associated therewith, (2) frequency of activity associated therewith and (3) user preferences.
20. (original) A computer readable medium according to claim 19, wherein said display mechanism at least one of changes the size of the icon, changes a contrast associated with the icon and positions the icon according to a direction of emphasis.

21. (original) A computer readable medium according to claim 18, further including:
in response to selecting one of the elements of the cluster, said display mechanism displays a sub-cluster of elements of which the cluster is comprised, wherein the sub-cluster of elements relate to the time period of interest.
22. (original) A computer readable medium according to claim 18, wherein in response to selecting in the navigating region, said display mechanism displays in a path display portion a currently navigated path from root region to individual elements, including intervening selected clusters.
23. (original) A computer readable medium according to claim 18, further including:
a filter mechanism, whereby in response to dragging an element from the navigation region to a filter region, the display mechanism filters the elements displayed in the timeline according to the dragged element.
24. (original) A computer readable medium according to claim 18, further including:
a filter mechanism, whereby in response to text input to a query input portion, the display mechanism filters the elements displayed in the timeline based on the input text.
25. (original) A computer readable medium according to claim 17, further including:
a user preference input mechanism for receiving user preference information for specifying aspects of said displaying by the display mechanism.
26. (original) A computer readable medium according to claim 17, wherein in response to a user selection, said display mechanism displays additional information about the displayed icons.
27. (original) A computer readable medium according to claim 17, wherein the time period of interest is selected from one of a range of at least one hour, a range of at least one day, a range of at least one week, a range of at least one month and a range of at least one year.

28. (original) A computer readable medium according to claim 17, wherein said selecting mechanism includes a scoping mechanism for scoping to a time period of interest.
29. (original) A computer readable medium according to claim 28, wherein the scoping mechanism is a scroll bar.
30. (original) A modulated data signal carrying computer executable instructions output as a result of the execution of the plurality of computer-executable instructions of the computer readable medium of claim 17.
31. (original) A computing device comprising means for carrying out the plurality of computer-executable instructions of the computer readable medium of claim 17.
32. (original) A computing device for having a display for displaying elements from a user's digital history store on a timeline, comprising:
a selecting mechanism for selecting a time period of interest on the timeline; and
a display mechanism that displays events, people, places and things relating to the time period of interest from the user's digital history store on the timeline.
33. (original) A computer readable medium according to claim 32, wherein said display mechanism further displays in a navigation region a root navigation region displaying icons for events, people, places and things; and
in response to selecting one of the events, people, places and things icons in the root navigation region, said display mechanism displays a cluster of one of events, people, places and things corresponding to the selection and relating to the time period of interest.
34. (original) A computer readable medium according to claim 33, wherein said display mechanism places emphasis on elements of the cluster based upon at least one of (1) recency of activity associated therewith, (2) frequency of activity associated therewith and (3) user preferences.

35. (original) A computer readable medium according to claim 34, wherein said display mechanism at least one of changes the size of the icon, changes a contrast associated with the icon and positions the icon according to a direction of emphasis.
36. (original) A computer readable medium according to claim 33, further including:
in response to selecting one of the elements of the cluster, said display mechanism displays a sub-cluster of elements of which the cluster is comprised, wherein the sub-cluster of elements relate to the time period of interest.
37. (original) A computer readable medium according to claim 33, wherein in response to selecting in the navigating region, said display mechanism displays in a path display portion a currently navigated path from root region to individual elements, including intervening selected clusters.
38. (original) A computer readable medium according to claim 33, further including:
a filter mechanism, whereby in response to dragging an element from the navigation region to a filter region, the display mechanism filters the elements displayed in the timeline according to the dragged element.
39. (original) A computer readable medium according to claim 33, further including:
a filter mechanism, whereby in response to text input to a query input portion, the display mechanism filters the elements displayed in the timeline based on the input text.
40. (original) A computer readable medium according to claim 32, further including:
a user preference input mechanism for receiving user preference information for specifying aspects of said displaying by the display mechanism.
41. (original) A computer readable medium according to claim 32, wherein in response to a user selection, said display mechanism displays additional information about the displayed icons.

42. (original) A computer readable medium according to claim 32, wherein the time period of interest is selected from one of a range of at least one hour, a range of at least one day, a range of at least one week, a range of at least one month and a range of at least one year.

43. (original) A computer readable medium according to claim 32, wherein said selecting mechanism includes a scoping mechanism for scoping to a time period of interest.

44. (original) A computer readable medium according to claim 43, wherein the scoping mechanism is a scroll bar.